

ABSTRACT OF THE DISCLOSURE

A method for producing a cyanide-free solution of a gold compound that is suitable for gold electrodeposition baths. The method includes the steps of reacting at least one of a cysteine and a cysteinate with at least one of tetrachloroauric acid and a tetrachloroaurate in a first aqueous medium, separating a resulting precipitate from the first aqueous medium, and dissolving the precipitate in a second aqueous medium with elevation of the pH to 12.0-14.0.